

Minutes, 4/12/04 Tevatron BPM Upgrade Meeting  
Stephen Wolbers

This set of minutes, and all future minutes, are or will be deposited in the Beams Document Database as document number 792.

The agenda as announced consisted of:

1. Commissioning Plan: Jim Steimel
2. AOB

1. Commissioning Plan: Jim Steimel

Jim has placed the plan as it stands in the doc DB as doc #1116. Refer to that document for details that aren't covered in these minutes.

Jim started by stating that the commissioning plan includes the pre-construction of the crates in the Feynman Computing Center, preparing the service buildings, moving the crates to the buildings, and bringing the system up. It assumes that the bulk of the installation activities will occur during the shutdown (the one that is scheduled to begin August 23).

During this discussion we started at the beginning of the list, item 1. The items that we went through include the VME crate checkout, the MVME processor checkout, timing card, diagnostic card, EchoTek card, checkout. At this point there is a fully-stuffed crate. The next step(s) are to do closed-orbit mode testing, calibration testing, turn-by-turn mode testing, diagnostic signal testing and BLM interface testing. Many of these items require some new (not currently existing) test signal generators, among other things.

We also discussed the desirability and merits of checking out as much of the system as possible before installation into the service buildings. Some work needs to go into estimating how much effort it will take to do this checkout (and who will do the work).

We ran out of time and will continue the discussion at the next opportunity, probably Thursday April 15 at 1:30 P.M.

2. AOB

Bob Webber showed some results from a end-of-store separator scan using the "plan B" approach to measuring pbar's. HA15 and VA14 were read out and timed in such a way to see 2 bunches of protons and 2 bunches of anti-protons at each location. Bob showed some position plots that showed that the p and pbar locations moved equal and opposite directions. Bob will write this up and deposit it into the document DB. The results looked quite interesting.

Bob Webber showed a draft for the specifications for the filters. He has mailed it out to a few people to look at and make some decisions about some of the undecided items.